CLAIMS

What is claimed is:

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- 1. A seal for a use in conjunction with an operating member of a dynamic assembly, comprising:
 - a graphite composition forming the seal; and
- a plurality of abrasive particles incorporated into the graphite composition and positioned within the seal in a location suitable for removing adhering particles deposited on the operating member of the dynamic assembly.
 - 2. The seal of claim 1, wherein the dynamic assembly comprises a valve.
- 15 3. The seal of claim 1, wherein the graphite composition comprises a laminate structure.
 - 4. The seal of claim 1, wherein the graphite composition further comprises graphite combined with polytetrafluoroethylene.
- 5. The seal of claim 1, wherein the plurality of abrasive particles are adapted to remove the adhering particles while not substantially damaging a surface of the operating member.
- 6. The seal of claim 1, wherein the graphite composition is formed into the shape of a ring having an aperture sized to accommodate the operating member.
 - 7. The seal of claim 1, wherein the plurality of abrasive particles are comprised of at least partially of at least one of MoO₃, SbO₃, Na2SiO₃, and NaSO₄.
- 30 8. The seal of claim 1, wherein the seal comprises a laminate structure of graphite and PTFE, the PTFE further including the plurality of abrasive particles.

- 9. A packing arrangement disposed about an operating member of an assembly, the packing arrangement comprising:
 - a plurality of components;

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- wherein at least one of the plurality of components comprises a seal having a plurality of abrasive particles incorporated therein suitable for removing material adhering to the operating member.
- 10. The packing arrangement of claim 9, wherein the plurality of components further
 10 comprises a packing follower, at least one bushing, at least one anti-extrusion ring, and a plurality of washers.
 - 11. The packing arrangement of claim 9, wherein the seal is formed of at least one of graphite and polytetrafluoroethylene.
 - 12. The packing arrangement of claim 9, wherein the plurality of abrasive particles are adapted to remove material adhering to the operating member during normal assembly operation.
- 20 13. The packing arrangement of claim 9, wherein the material comprises a plurality of graphite particles.
 - 14. The packing arrangement of claim 9, wherein the operating member further includes a surface coating thereon.
 - 15. The packing arrangement of claim 14, wherein the surface coating is comprised of at least one of chrome and nickel.
- 16. The packing arrangement of claim 9, wherein the plurality of abrasive particles are selected to be suitable for removing the material while not substantially damaging a surface of the operating member.

- 17. The packing arrangement of claim 9, wherein at least one of the plurality of components further comprises a plurality of abrasive particles incorporated therein and suitable for removing material adhering to the operating member.
- 5 18. The packing arrangement of claim 9, wherein the plurality of abrasive particles are comprised at least partially of at least one of MoO₃, SbO₃, Na2SiO₃, and NaSO₄.
 - 19. The packing arrangement of claim 9, wherein the assembly comprises a valve.
- 10 20. A packing arrangement disposed about an operating member, the packing arrangement comprising:

a plurality of components;

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wherein at least one of the plurality of components comprises a plurality of abrasive particles incorporated therein and suitable for removing a collection of material on the operating member.

- 21. The packing arrangement of claim 20, wherein the plurality of abrasive particles are adapted to remove the material from the operating member during normal operation.
- 20 22. The packing arrangement of claim 20, wherein at least one of the plurality of components comprises a seal formed of a composition of graphite and abrasive particles.